

Please amend the claims as follows:

1. (Currently Amended) A process for producing a composition of water-soluble phytochemical compounds comprising:

Combining green tea plant material with water, in a ratio of plant material to water within a range of about 1:5 to about 1:50, at a temperature between about 75°C and about 102°C for a period of time to solubilize a substantial portion of thermal aqueous extractable phytochemicals present in the plant material, to produce a first extract; and

removing substantially all entities having a molecular weight greater than about 10kd from the extract to produce a composition of water-soluble phytochemical compounds.

2. (Original) The process according to claim 1 wherein the plant material is selected from the group consisting of leaves, bark, flowers, roots, stems, and fruit.

3. (Original) The process according to claim 1 wherein the composition is substantially devoid of water-insoluble compounds.

4. (Original) The process according to claim 1, wherein the ratio of plant material to water is within a range of about 1:10 to about 1:40, and the temperature is between about 75°C and about 100°C, and the period of time is between about 0.5 hours and about 48 hours, which comprises the additional step of drying the composition.

5. (Original) The process according to claim 1 wherein the ratio of plant material to water is within a range of about 1:10 to about 1:40, and the temperature is between about 75°C and about 100°C, and the period of time is between about 0.5 hours and about 24 hours.

6. (Original) The process according to claim 5 wherein the ratio of plant material to water is within a range of about 1:10 to about 1:40, and the temperature is between about 75°C and about 100°C, and the period of time is between about 0.5 hours and about 12 hours.

7. (Original) The process according to claim 6 wherein the ratio of plant material to water is within a range of about 1:10 to about 1:40, and the temperature is between about 90°C and about 100°C, and the period of time is between about 1 hour and about 6 hours.

8. (Original) The process according to claim 7 wherein the ratio of plant material to water is within a range of about 1:20 to about 1:40, and the temperature is between about 95°C and about 100°C, and the period of time is between about 1 hour and about 6 hours.

9. (Original) The process according to claim 8 wherein the ratio of plant material to water is within a range of about 1:25 to about 1:35, and the temperature is between about 95°C and about 100°C, and the period of time is between about 1 hour and about 6 hours.

10. (Original) The process according to claim 1 wherein the plant material is homogenized.

11. (Original) The process according to claim 1 wherein the plant material is known to possess medicinal properties.

12. (Original) The process according to claim 1 wherein the step of removing substantially all entities having a molecular weight greater than about 10kd from the extract is accomplished by means selected from the group consisting of ultra-filtration, chromatography, dialysis, and centrifugation.

13. (Cancel)

14. (Currently Amended) The process according to claim ~~[[13]]~~ 11 wherein ~~[[the plant material is derived from green tea and]]~~ the composition is substantially devoid of pigment.

15. (Currently Amended) A process for producing a composition of water-soluble phytomedicinal compounds comprising:

Combining green tea plant material with water, in a ratio of plant material to water within a range of about 1:5 to about 1:50, at a temperature between about 75°C and about 102°C for a period of time to solubilize a substantial portion of thermal aqueous extractable phytocompounds present in the plant material, to produce a first extract; and

removing substantially all entities having a molecular weight greater than about 13kd from the extract to produce a composition of water-soluble phytomedicinal compounds.

16. (Cancel)

17. (Cancel)

18. (Currently Amended) A composition of water-soluble phytomedicinal compounds produced by combining green tea plant material with water, in a ratio of plant material to water within a range of about 1:5 to about 1:50, at a temperature between about 75°C and about 102°C for a period of time to solubilize a substantial portion of thermal aqueous extractable phytocompounds present in the plant material, to produce a first extract; and

removing substantially all entities having a molecular weight greater than about 10kd from the extract to produce a composition of water-soluble phytomedicinal compounds.

19-20. (Cancel)

21. (Currently Amended) A method of administering an effective amount of a composition of water-soluble phytomedicinal compounds to effect at least one physiological condition selected from the group consisting of weight loss, anti-aging, immune enhancement, DNA repair enhancement, anti-inflammation, cancer prevention and/or control, enhance gastrointestinal digestion, reduced fatigue/anxiety, reduced pain (including headache), amelioration of allergy conditions, reduce cardiovascular disease conditions, and enhanced skin (topical) conditions, wherein said composition of water-soluble phytomedicinal compounds was prepared by a process comprising combining green tea plant material with water, in a ratio of plant material to water within a range of about 1:5 to about 1:50, at a temperature between about 75°C and about

102°C for a period of time to solubilize a substantial portion of thermal aqueous extractable phytocompounds present in the plant material, to produce a first extract; and

removing substantially all entities having a molecular weight greater than about 10kd from the extract.

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